

FY17 Region 9 Small Public Water System Action Plan

State of Nevada

Updated 1/20/2017

OBJECTIVE 1: Ensure Small System Comply with EPA's Arsenic Standard

Figure 1: Compliance Status of Small Systems for Arsenic MCL:¹

Date	AZ	CA	NV	Navajo	DI Tribes	Total
1/2015: Systems in noncompliance	20	194	10	8	10	242
8/2016: Systems in noncompliance (new since 1/2015)	14 (1 new)	146 (15 new)	8 (1 new)	3	10 (2 new)	181 (19 new)
8/2016: Systems on enforceable compliance schedule but not yet RTC	12	82	5	3	3	105

Strategy 1: Strengthen EPA oversight of primacy agency enforcement responses and direct actions to accelerate compliance (ENF)

Enforcement Confidential

Strategy 2: Use non-enforcement tools to reduce arsenic exposure (WD)

Action 2A: Use of DWSRF for long-term arsenic solutions (new source, treatment, consolidation)

- ☐ Three of the eight PWSs with arsenic exceedances received DWSRF assistance to address their arsenic noncompliance for a total of \$851,000.
- ☐ Frontier Village MHP (\$200,000): Central treatment
- ☐ Roark Estates Water Association (\$151,700): POU devices
- ☐ Silver Knolls Mutual (\$500,000): Central treatment

	PWS ID	PWS Name	Project Description	Total Commitment	Planning Study	Construction Funded	Ground Breaking	Construction Complete
1	NV0000147	Frontier Village MHP	Construction of treatment plant	DWSRF Total: \$200,000	NA			
2	NV0000319	Roark Estates Water Assoc	POU devices	DWSRF Total: \$151,700	NA			August 29, 2016
3	NV0004021	Silver Knolls Mutual Water Co	Treatment	DWSRF Total: \$500,000	NA			September 2015
	Total			\$851,700				

Objective II: Reduce Exposure to Lead in Small Systems' Drinking Water Supply

Figure 2: Status of Action Level Exceedances for Lead for Small Community, School and Tribal Systems*

State	Current ALEs (community PWSs)	Multiple Historical ALEs (community PWSs)	Current ALEs (school PWSs)	Multiple Historical ALEs (school PWSs)	Current ALEs (Tribal PWSs)
AZ	12	12	4	4	
CA	10	7	7	9	
NV	1	0	1	0	
CNMI	4	0	0	0	
Total	27	19	12	13	5

Strategy 3: Enhance oversight of primacy agencies and system with current and historical lead ALEs (WD)

Action 3A. Engage with primacy agencies to address 27 small systems with current ALEs.

- ☐ Nevada had two PWSs with ALEs (Goodsprings School and Marigold Mine Water System).
- ☐ Goodsprings School (Clark County) replaced its faucets and has since resolved its ALE with two six-month monitoring with lead <15 ppb.
- ☐ Marigold Mine Water System (Humboldt County) replaced its galvanized piping in March 2016. Expect subsequent sampling to be below AL.
- ☐ Nevada has no systems with multiple historical ALEs.

Nevada Small PWSs with current ALEs for Lead (school PWSs in bold)

(August 2016 SDWIS Fed Data Warehouse – data reported through June 30, 2016)

Updated as of 1/20/2017

#	PWS ID	PWS Name	County	Pop	Status	ALE Resolved
					Details	
1	NV0001103	Marigold Mine Potable Water System	Humboldt	300	Expect Pb90<AL to be posted 3/31/2017. Replaced galvanized piping/shut off valves in March 2016. Initial WQP sampling conducted. Recent samplings (5/5/2016) = 14 ppb and (8/9/2016) = 17 ppb. Expect to meet AL with next sampling.	No
2	NV0001045	Goodsprings School	Clark	25	Bottle Water is still being provided Fountains have been locked. Recent sampling (4/28/16) showed lead <AL at 13.6 ppb and (9/14/16) at 11 ppb. Faucet replaced (08/08/16).	Yes
	Total	2		325		

Strategy 4: Provide corrosion control treatment assistance to small PWSs and regulatory agencies in need. (WD)

Action 4A. Convene Corrosion Control Treatment Training

Representatives from NDEP attended EPA Region 9 training workshop in November 2016. A number of NV utilities attended

OBJECTIVE III: Improve Access to Safe Drinking Water in School

Strategy 5: Reduce children's exposure to arsenic in drinking water supplied by school PWSs or other systems through enhanced oversight, enforcement, technical assistance and funding.

Action 5A. Return School PWSs with arsenic exceedances to compliance

There are no school PWSs that are in violation of the arsenic standard.

Action 5B. Leverage resources to provide compliance assistance to school PWSs with arsenic exceedances.

Funding from EPA national TA grant will be used to support technical assistance to systems challenged with addressing arsenic and lead under NDEP/NV RWA negotiated workplan.

Strategy 6: Reduce children's exposure to lead in drinking water by ensuring provision of alternative water, enhancing oversight and supporting tap sampling at schools served by PWSs. (WD)

Action 6C. Identify and address lead in school taps and fountains served by PWSs in states.

See attached briefing paper on Nevada Lead Testing in Schools